

## Ford County

8/31/2020

### Background Statistics<sup>1</sup>

Number of farms: 505

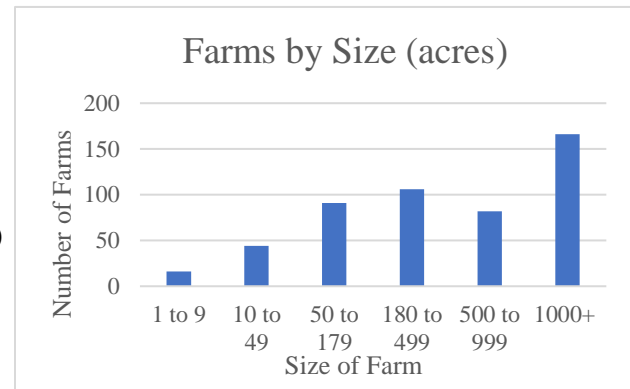
Average size: 1,326 acres

Land in farms: 669,832 acres

Average value of products sold per farm: \$1,020,300

Average net cash farm income per farm: \$93,122

1: Data from USDA 2017 Census of Agriculture



## Estimated Economic Contribution of Agriculture and Agriculture Related Sectors to the Ford County Economy

### Methodology

The estimated economic contribution of agriculture and agriculture related sectors was computed using the most recent IMPLAN data available (2018) adjusted for 2020. The IMPLAN modeling system was used to calculate the results of this analysis. The IMPLAN model was constructed so that double counting was avoided. For this report, 29 of the 71 agriculture and agriculture related sectors in Kansas were identified and analyzed to determine their overall contribution to the Ford County economy.

### Results

These 29 sectors have a total direct output of approximately **\$4.8 billion** and account for **7,118 jobs** in Ford County. Running the model for all 29 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Ford County Economy					
Contribution Type	Employment	% Employment	Total Value Added	% of Gross Regional Product	Output
Direct Effect	7,118	32%	\$702,700,000	37%	\$4,813,600,000
Indirect Effect	1,676	8%	\$163,000,000	9%	\$328,500,000
Induced Effect	1,645	7%	\$122,300,000	7%	\$220,300,000
<b>Total Effect</b>	<b>10,439</b>	<b>47%</b>	<b>\$988,000,000</b>	<b>53%</b>	<b>\$5,362,400,000</b>

**NOTE:** Individual effects may not equal the total effect due to rounding.

As shown in the above table, agriculture, food, and food processing sectors support a total of **10,439 jobs**, or **47%** of the entire workforce in the county. The total final sales of all products in these sectors is approximately **\$5.4 billion**.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of Gross Regional Product (GRP). Total value added by the 29 agriculture, food, and food processing sectors is approximately **\$988.0 million**, or **53%** of the GRP.

## Top Ten Sectors by Employment

Out of the agriculture and agriculture related sectors, animal, except poultry, slaughtering is the top employer with **5,779 jobs**. This table also illustrates the top ten sectors by total employment, including direct, indirect, and induced effects in Ford County.

Sector	Total Employment
Animal, except poultry, slaughtering	5,779
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	536
Truck transportation	286
Wholesale - Other nondurable goods merchant wholesalers	223
Farm machinery and equipment manufacturing	188
Grain farming	183
Services to buildings	165
Full-service restaurants	160
Limited-service restaurants	135
Other real estate	125

## Top Ten Sectors by Output

This table shows how much revenue is generated in other sectors by having a strong agriculture industry, including direct, indirect, and induced effects. The animal, except poultry, slaughtering sector is the top contributor, with approximately **\$4.2 billion** to the Ford County economy.

Sector	Total Output
Animal, except poultry, slaughtering	\$4,218,300,000
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$208,000,000
Grain farming	\$102,800,000
Farm machinery and equipment manufacturing	\$79,800,000
Flour milling	\$69,400,000
Wholesale - Other nondurable goods merchant wholesalers	\$67,100,000
Truck transportation	\$49,100,000
Phosphatic fertilizer manufacturing	\$43,900,000
Nitrogenous fertilizer manufacturing	\$40,800,000
Owner-occupied dwellings	\$36,400,000

## All Direct Sectors

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Ford County economy. IMPLAN sectors are assigned based on North American Industry Classification System (NAICS) codes. Generally, this analysis includes three categories; production, manufacturing/processing, and services. Note that this analysis does not include wholesale or retail sales of final products, or ethanol production.

Sector	Total Output	Total Employment
Animal, except poultry, slaughtering	\$4,218,294,464.63	5,778.87
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	\$208,042,101.77	535.50
Grain farming	\$102,756,312.91	182.57
Farm machinery and equipment manufacturing	\$79,757,396.45	187.57
Flour milling	\$69,387,405.01	55.83
Phosphatic fertilizer manufacturing	\$43,867,272.28	43.57
Nitrogenous fertilizer manufacturing	\$40,842,663.19	37.58
Distilleries	\$10,847,124.25	11.48
Oilseed farming	\$8,256,832.22	2.72
Breweries	\$5,936,819.70	15.28
Support activities for agriculture and forestry	\$4,316,325.32	75.56
All other crop farming	\$3,880,861.78	48.18
Other animal food manufacturing	\$2,747,016.07	2.53
Animal production, except cattle and poultry and eggs	\$2,601,917.79	9.23
Veterinary services	\$2,524,849.73	29.95
Bread and bakery product, except frozen, manufacturing	\$2,338,953.02	18.00
Landscape and horticultural services	\$2,260,897.59	46.25
Frozen cakes and other pastries manufacturing	\$1,597,475.31	18.01
Greenhouse, nursery, and floriculture production	\$750,088.41	4.46
Other snack food manufacturing	\$557,491.48	1.08
Cotton farming	\$484,732.17	4.11
Poultry and egg production	\$468,036.08	0.39
Roasted nuts and peanut butter manufacturing	\$436,088.60	1.07
Commercial logging	\$175,577.02	3.05
Vegetable and melon farming	\$143,514.69	0.68
Meat processed from carcasses	\$117,136.06	0.22
Rendering and meat byproduct processing	\$81,575.61	0.22
Forestry, forest products, and timber tract production	\$80,730.15	1.03
Commercial hunting and trapping	\$73,573.95	2.79

The following terms are used throughout the results shown in this report:

- **Direct effect:** the contribution from agricultural and food products
- **Indirect effect:** the contribution from farms and agricultural businesses purchasing inputs from supporting industries within the state
- **Induced effect:** the contribution from employees of farms, agricultural businesses, and supporting industries spending their wages on goods and services within the state
- **Value added** = labor income + indirect business taxes + other property type income
- **Gross Regional Product** = final demand of households + government expenditures + capital + exports – imports – institutional sales
- **Output** = intermediate inputs + value added
- **Employment:** full-time/part-time annual average i.e., 1 job lasting 12 months = 2 jobs lasting 6 months each = 3 jobs lasting 4 months each. A job is neither full-time nor part-time.
- Due to confidentiality policies that exist within several agencies from which IMPLAN collects their data, some sectors in some regions may not have all data available.

For more information, contact the Division of Agricultural Marketing, Advocacy and Outreach Agency Economist

785-564-6726